

GREEN

Dart Aerospace Ltd.

Date: Wednesday, 10/25/2006 11:14:07 AM  
 User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : SADDLE FITTING, AFT (OUTBOARD/INBOARD)  
 Job Number : 29162  
 Estimate Number : 10534  
 P.O. Number : N/A Part Number : D2574  
 This Issue : 10/25/2006 S.O. No. : N/A Drawing Number : D2574 REV E  
 Prsht Rev. : NC Project Number : N/A  
 First Issue : N/A Type : MACHINED PARTS Drawing Revision : E  
 Previous Run : 28805 Material : N/A  
 Due Date : 11/15/2006 Qty: 4 Um: Each  
 Written By :  
 Checked & Approved By :  
 Comment : Est Rev: I As Per RevE 06-01-27 JLM

## Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 D6101005 7075-T7351 8.25X5.0X2.5



Comment: Qty.: 1.0000 Each(s)/Unit Total: 4.0000 Each(s)

7075-T7351 8.25X5.0X2.5

Make from D6101-005 billet for D2574

Ensure that grain is along 5.00" length

Batch No: B25351 x4

En 06/10/28

2.0 HAAS1 HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Program Batch No. B29162 Double check by: JLM

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

P70

En 06/10/30 x4

3.0 MILLING CONV. CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

En 06/10/30 x4

4.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

En 06/10/30 x4

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
06/16/29	# 30	one Part affected. Keyway was milled 0.306" (0.002" under) and 0.770" wide (0.005" over) was first piece in setting up for Keyway	dh 06.10.30	Part Acceptable  x	EP 06/16/29	06.10.30	dh 06.10.30	06.10.30

**NOTE:** Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Job Number: 29162

Part Number: D2574

Job Number:



Seq. #:	Machine Or Operation:	Description :
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5.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

*ml 06/16/30*

4

6.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
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Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

*a.m*

*06/14/10*

④

7.0	POWDER COATING	POWDER COATING
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Comment: POWDER COATING

*GREEN*

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

*M18144*

*yl a.m*

*06/11/15 x4*

8.0	QC3	INSPECT POWDER COAT/CHEMICAL CONVERSION
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Comment: INSPECT POWDER COAT

*LB*

*06/11/16*

④

9.0	PACKAGING 1	PACKAGING RESOURCE #1
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Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

*ST 480*

*LB*

*06/11/16*

④

10.0	QC21	FINAL INSPECTION/W/O RELEASE
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Comment: FINAL INSPECTION/W/O RELEASE

*06/11/16*

Job Completion



*C20611114*

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	<b>29162</b>
<b>Description: Saddle, Aft Inboard</b>	<b>Part Number:</b>	<b>D2574</b>
<b>Inspection Dwg: D2574 Rev. E</b>		<b>Page 1 of 1</b>

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.438	0.443	<del>DT8682</del>	0.442	0.442	0.442	0.442		
B	1.745	1.755		1.748	1.751	1.751	1.748		
C	3.495	3.505		3.500	3.501	3.500	3.501		
D	1.745	1.755		1.748	1.751	1.751	1.748		
E	7.990	8.010		8.002	8.004	8.005	8.004		
F	0.490	0.510		0.497	0.501	0.498	0.494		
G	0.257	0.262	<del>DT8683</del>	0.260	0.260	0.260	0.260		
H	0.375	0.380	<del>DT8684</del>	0.376	0.376	0.376	0.376		
I	0.490	0.510		0.496	0.498	0.498	0.502		
J	1.174	1.184		1.176	1.177	1.177	1.176		
K	0.558	0.578		0.562	0.561	0.564	0.563		
L	1.174	1.184		1.176	1.177	1.177	1.176		
M	1.365	1.375		1.369	1.368	1.369	1.367		
N	2.495	2.505		2.496	2.500	2.500	2.497		
O	4.119	4.129		4.120	4.122	4.122	4.121		
P	0.115	0.135		0.129	0.128	0.127	0.126		
Q	0.115	0.135		0.135	0.135	0.135	0.135		
R	0.240	0.260		0.252	0.249	0.249	0.249		
S	0.115	0.135		0.123	0.124	0.120	0.122		
T	0.178	0.198		0.188	0.188	0.188	0.188		
U	3.210	3.250		3.228	3.230	3.230	3.230		
V	0.230	0.250		0.232	0.243	0.242	0.240		
W	0.115	0.135		0.122	0.134	0.131	0.129		
X	0.307	0.312		0.311	0.310	0.310	0.310		
Y	0.760	0.765		0.765	0.765	0.765	0.765		
Z	0.352	0.372		0.356	0.370	0.371	0.370		
AA	0.470	0.530		0.500	0.500	0.500	0.500		
AB	0.615	0.635		0.623	0.627	0.626	0.628		
AC	0.053	0.073		0.063	0.063	0.063	0.063		
AD	0.240	0.260		0.245	0.247	0.244	0.247		
AE	1.500	1.520		1.515	1.512	1.512	1.511		
AF	0.115	0.135		0.135	0.135	0.135	0.135		
AG	0.240	0.280		0.260	0.260	0.260	0.260		
AH	0.240	0.260		0.242	0.247	0.247	0.251		
AI	2.000	2.020		2.000	2.000	2.000	2.000		
AJ	0.023	0.043		0.030	0.030	0.030	0.030		
Accept/Reject									

Measured by:	EP
Date:	06/10/30

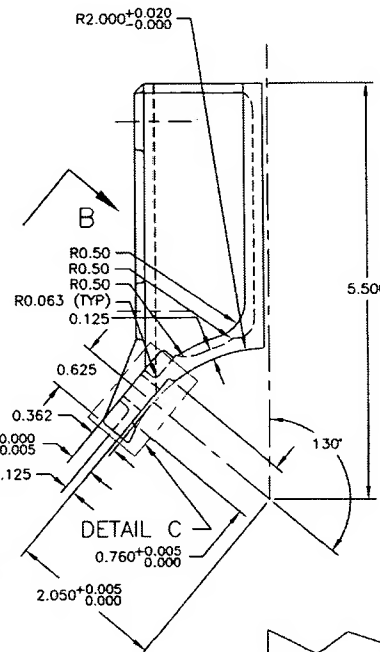
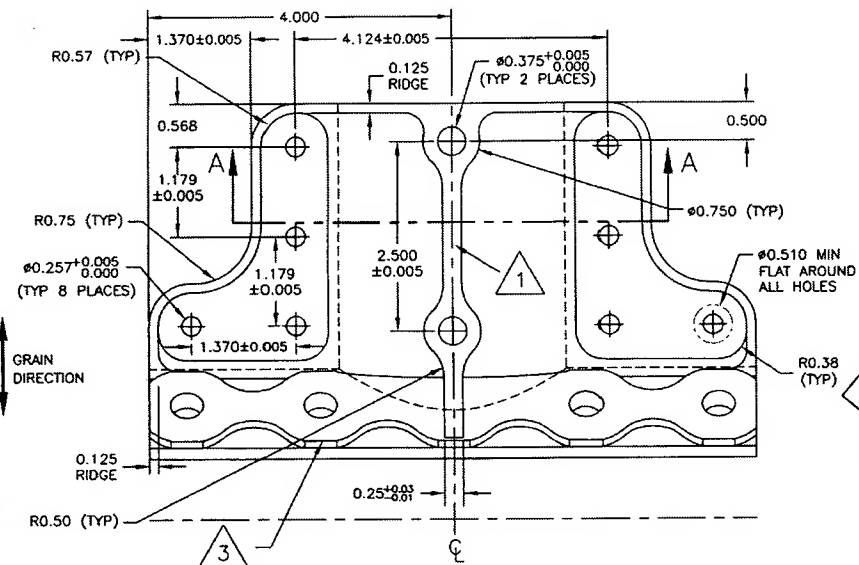
Audited by:	gml
Date:	06/10/30

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	



RELEASED

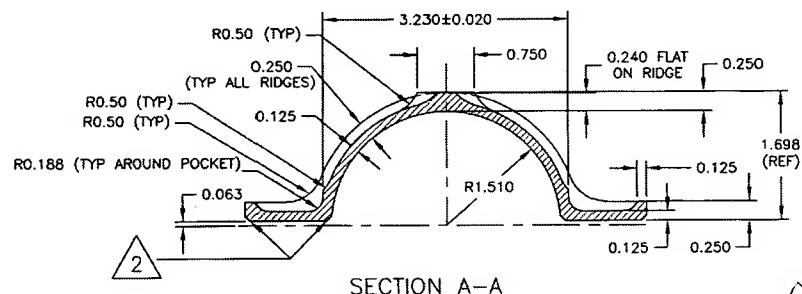
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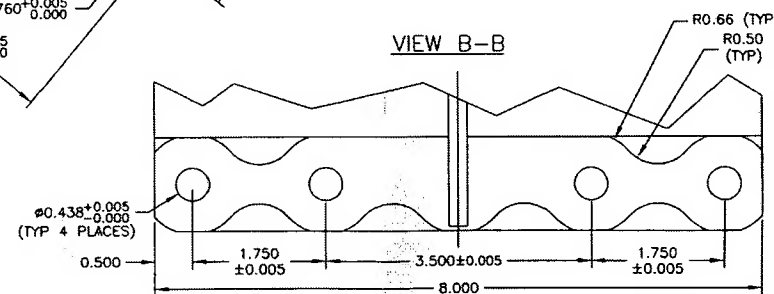
# NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)  
(REF DART SPEC. D6102-003)  
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1  
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3  
BREAK ALL SHARP EDGES 0.010 TO 0.020  
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 3 CHAMFER 0.063 x 45° ALL AROUND
- 4 CHAMFER 0.033 x 45° (SEE DETAIL C)

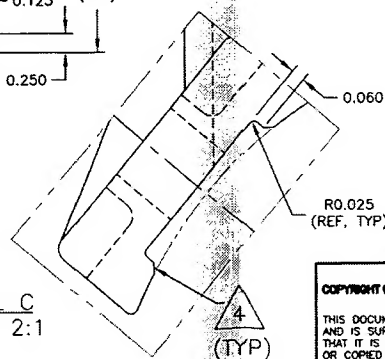


SECTION A-A



VIEW B-B

DETAIL C  
SCALE 2:1



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E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCORP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DS	DRAWN BY PH
CHECKED	PH	APPROVED PH
DATE	05.07.13	DRAWING NO. 02574
		TITLE INNER AFT SADDLE
		REV. E SHEET 1 OF 1 SCALE 2:3

**DART** DART AEROSPACE LTD.  
MILFORD, ONTARIO, CANADA

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